



Users Manual

Mobile POS 50 Series

*MPOS-5008B-LX800

Oct. 2006

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CHAPTER

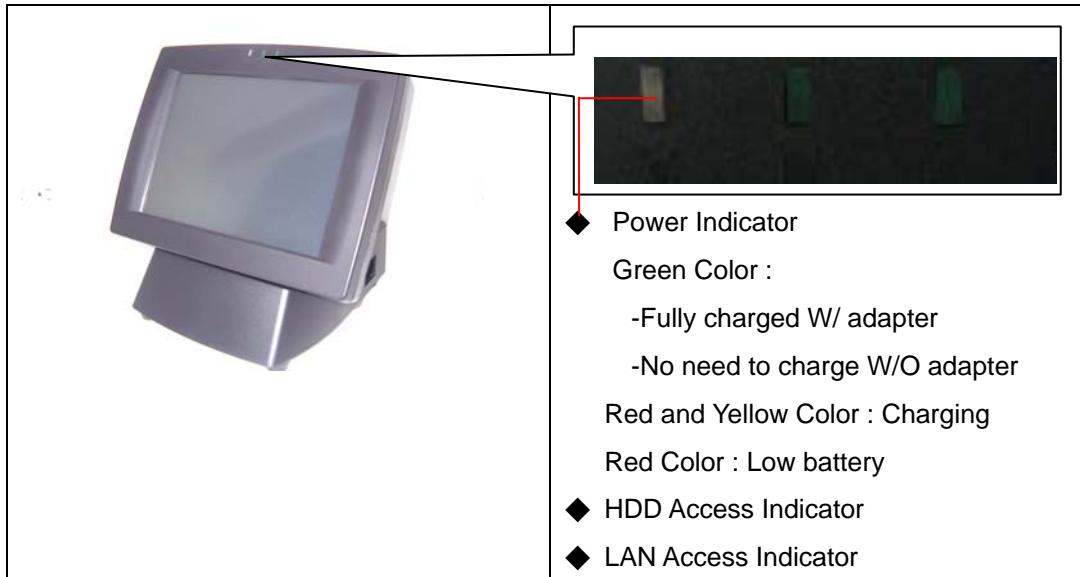
1

Introduction

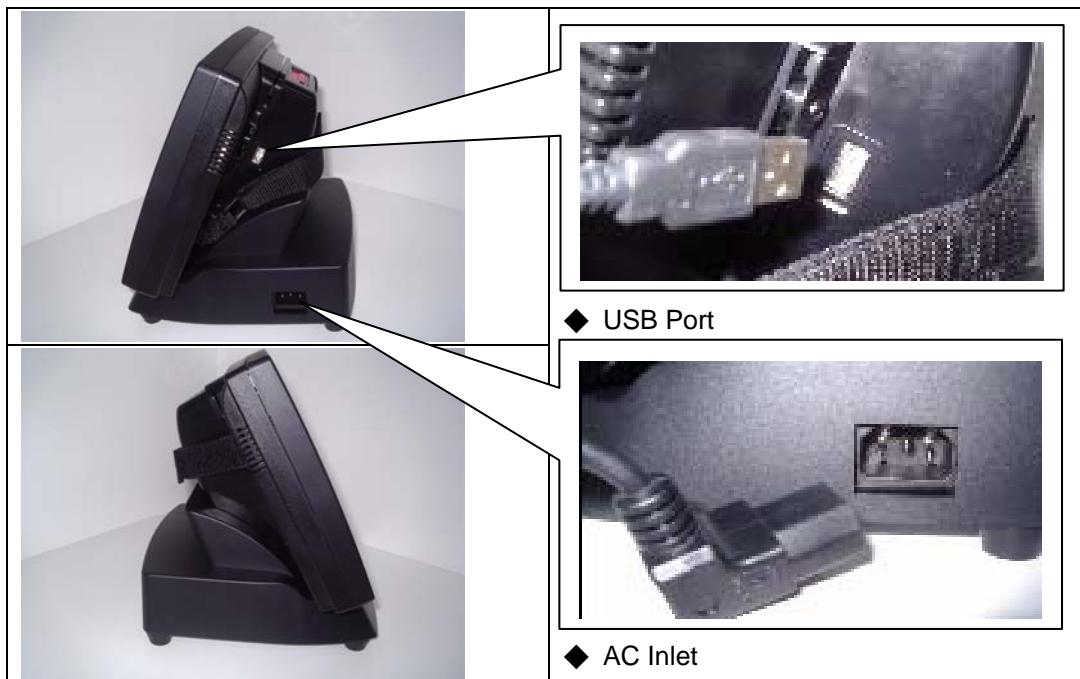
Chapter 1 : Introduction

1.1 System Overview

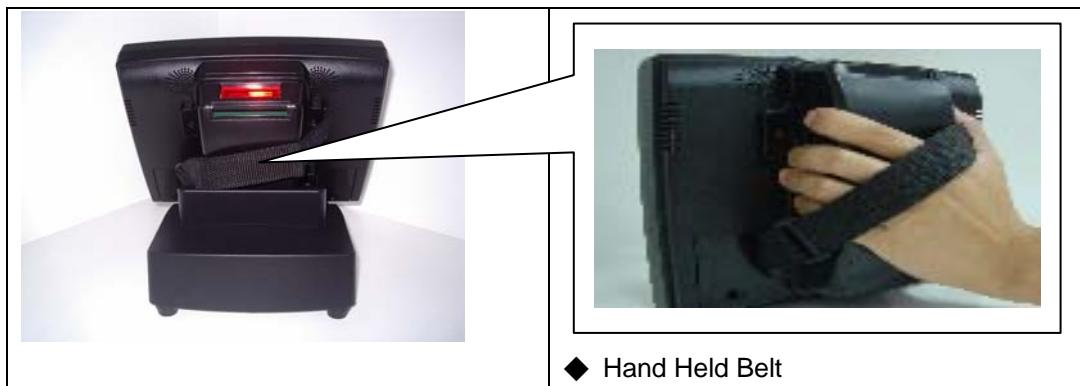
1.1.1 Front View



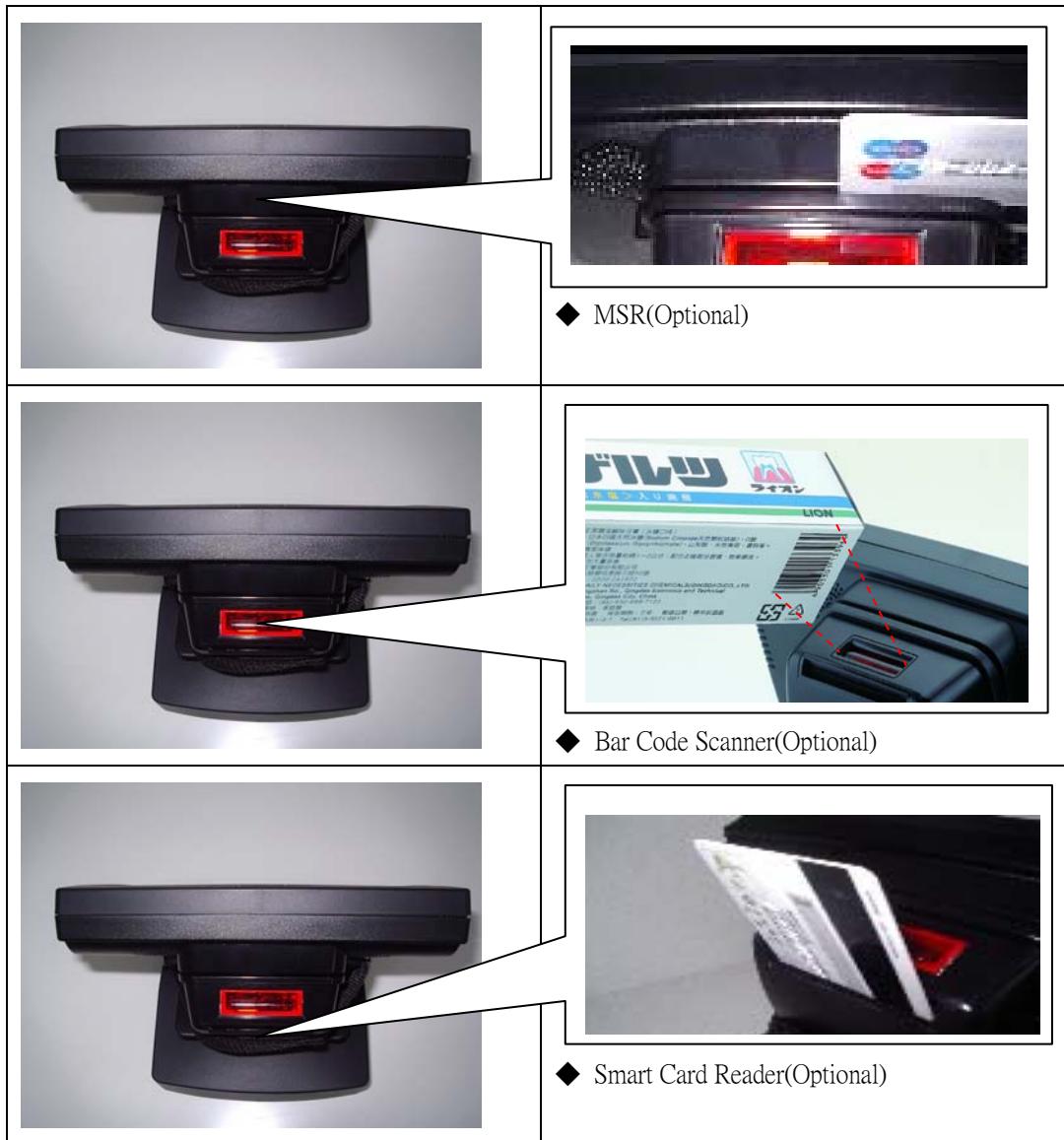
1.1.2 Side View



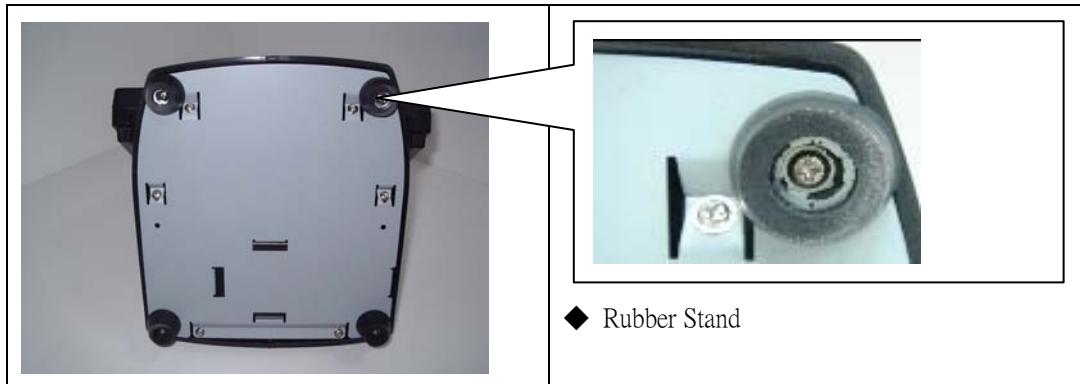
1.1.3 Rear View

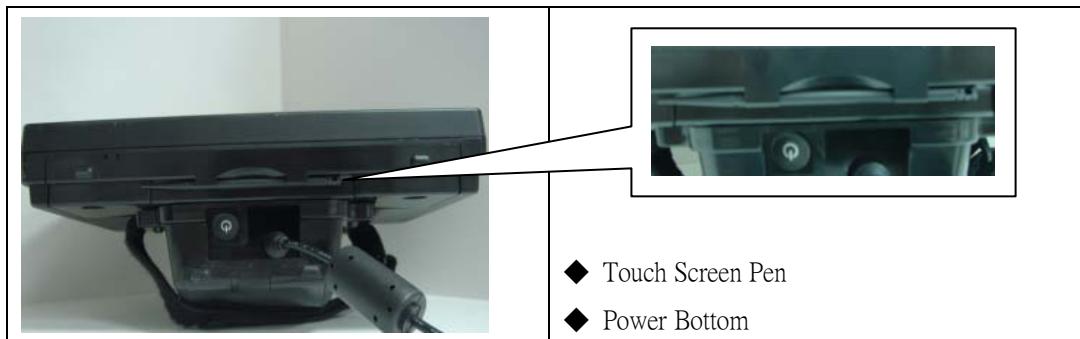


1.1.4 Top View



1.1.5 Bottom View





- ◆ Touch Screen Pen
- ◆ Power Bottom

1.2 Specifications

| Main Board | |
|--|---|
| CPU | AMD Geode LX-800(500MHz) |
| System Memory | 1 x DDR400 SO-DIMM Socket, 128M to 1GB |
| Display | |
| TFT LCD Size | 8.4" |
| Brightness | 180nits |
| Resolution | 800x600 |
| Touch Screen | 5 Wire Resistive Type |
| Storage Device | |
| HDD | No Support |
| Compact Flash | 1 x Type II, Slot (Internal) |
| I/O Ports | |
| USB | 1 x USB2.0 (External) |
| Others | |
| OS Support | Win XP/XPe, Linux, WEPOS, Win CE |
| Power Supply | External, 14VDC / 3.57A |
| EMC & Safety Compliance | FCC Class A / CE / WEEE / RoHS |
| Weight (Kgs) | 1.4 |
| Dimension (mm) | 234(W)x185(L)x57(H) mm |
| Operating Temperature | 5 ° ~ 40 ° C |
| Storage Temperature | -20 ° ~ 40 ° C |
| Storage Humidity | 10% ~ 90% RH |
| Battery Stand By Time | 2 Hours |
| Battery Charge Time | 2 Hours |
| Optional Accessories Ordering Information | |
| Part No. | Description |
| 20400008RH | MSR ,3 Tracks, COM, RS232 Interface |
| A10400197RH | Bar Code Scanner ,Single Scan Line, COM |
| A10400198RH | Smart Card Reader , ISO 7816 – 1/2/3 , USB Interface |
| 60900002RH | WiFi , Ext. WLAN 802.11b,g, USB Interface |
| 61000002RH | Bluetooth , Comply Version 1.1 for Mobile Printer |
| 60700001RH | USB 2.0 External CD ROM W/ UK adapter (60700002RH W/USA adapter, 60700003RH W/EURP adapter) |
| A10400199RH | Battery Pack |

2

Packing List

Chapter 2 : Packing List

The unit comes securely packaged in a shipping carton. Please contact your dealer if you find that anything is missing or damaged after examining the contents. The shipping carton should contain the following items :

2.1 Standard Items

Chapter 2 : Packing List

The unit comes securely packaged in a shipping carton. Please contact your dealer if you find that anything is missing or damaged after examining the contents. The shipping carton should contain the following items :

2.1 Standard Items



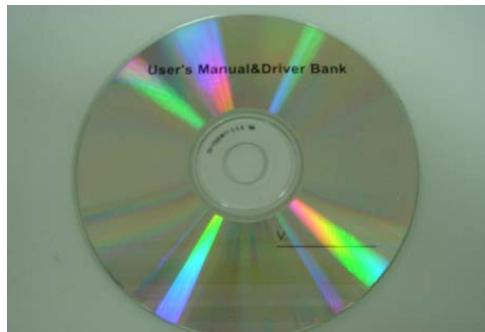
◆ Main Unit



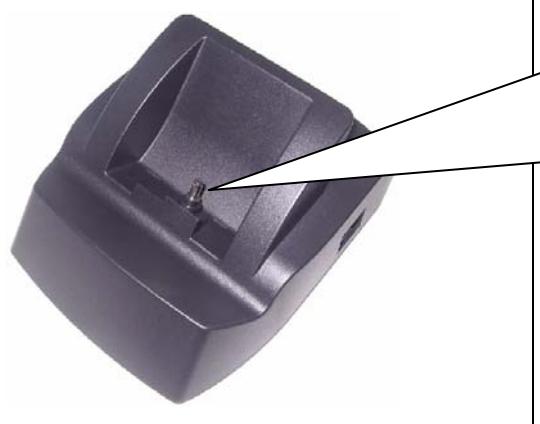
◆ Power Adapter



◆ Power Cord*2



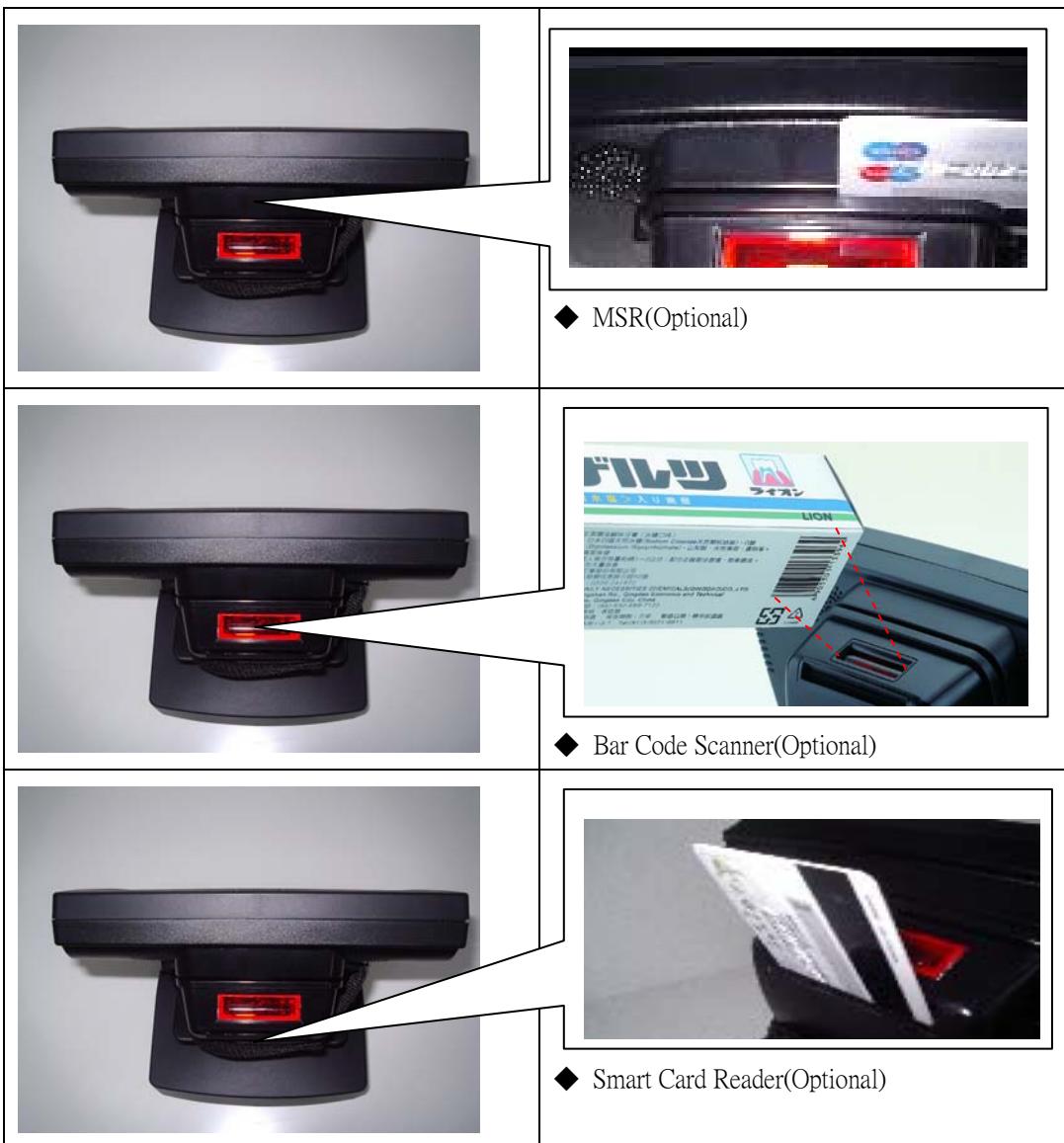
◆ Driver CD



◆ Recharged Cradle

| | |
|--|--|
| | |
|--|--|

2.2 Optional Items

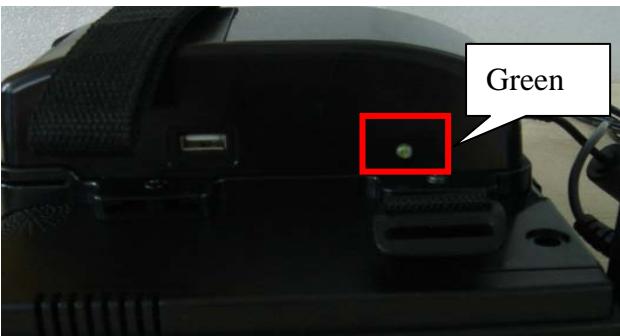


CHAPTER 3

Getting Started

Chapter 3 : Getting Started

3.1 Preparation

| Item No. | Photo | Description |
|----------|---|---|
| 1 |  | <ol style="list-style-type: none">1. Connect adapter and power cord2. Connect MPOS 5008B-LX800 with adapter and plug to outlet |
| 2 |   | <ol style="list-style-type: none">1. Charge the battery pack. When the battery LED light turns to green (2 hours). The system is ready to power up2. Battery pack LED light identify:<ul style="list-style-type: none">◆ Orange: Charging◆ Green: Fully charged |

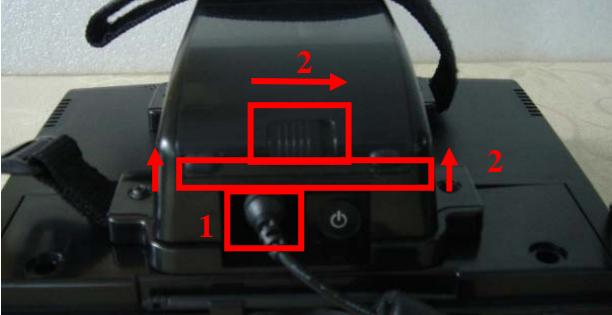
3.2 Hardware Installation

3.2.1 Battery Pack

- ◆ Battery pack is installed with Mobile POS 50 upon shipment. When the LED (Power Indicator) becomes "Red" color, please start to charge the battery in 5 minutes.
- ◆ How to charge the battery:
 - Option 1: Shut Down the power and follow 3.1 item 1 to 2
 - Option 2: Remain the power on and plug power cord with adapter to outlet. When the battery is fully charged, the LED light will turn to green

| Item No. | Photo | Description |
|----------|---|---|
| 1 |   | <p>◆ Power Indicator</p> <p>Green Color :</p> <ul style="list-style-type: none"> -Fully charged W/ adapter -No need to charge W/O adapter <p>Red and Yellow Color : Charging</p> <p>Red Color : Low battery</p> |

■ Option 3: Change the battery pack. Please follow instructions listed below.

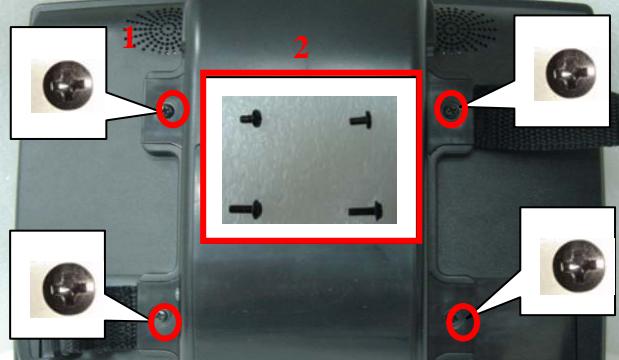
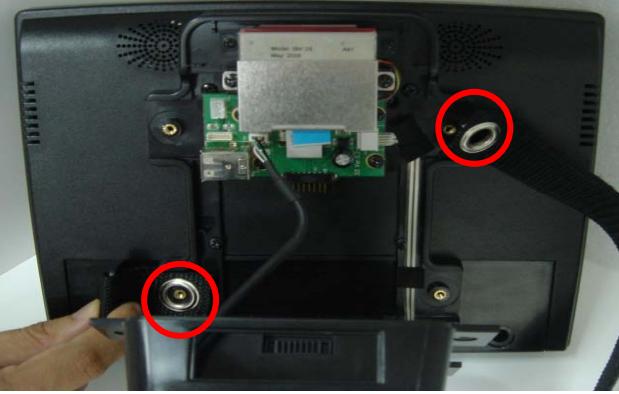
| Item No. | Photo | Description |
|----------|---|--|
| 1 |  | <ol style="list-style-type: none"> 1. Make sure the adapter is pulled off before removing battery pack 2. Pull the lock to the right side and pull up the battery pack |
| 2 |  | <ol style="list-style-type: none"> 1. Remove the battery pack from MPOS-5008B-LX800 |

| Item No. | Photo | Description |
|----------|---|---|
| 3 |  | 1. Replace with another battery pack |
| 4 |  | 1. Press down the battery pack to ensure no empty space exists between battery pack and main unit |

3.2.2 Hand Held Belt

The hand held belt can be switched from left hand side to right hand side. Should customer need to change the position of hand held belt, please follow instruction listed below.

| Item No. | Photo | Description |
|----------|---|--|
| 1 |  | 1. The hand held belt can be adjusted by pulling up Velcro and pull down |
| 2 |  | 1. Pull up the Velcro |

| Item No. | Photo | Description |
|----------|---|--|
| 3 |  | <p>1. Remove 4 screws from MPOS-5008B-LX800 2. Screws length are as listed</p> |
| 4 |  | <p>1. The belt position can be switched</p> |
| 5 |  | <p>1. Move from left button to left top 2. Move from right top to right down</p> |
| 6 |  | <p>1. Fasten 4 screws and tighten the belt 2. The hand held belt is switched to right hand side</p> |

3.2.3 Recharged Cradle

| Item No. | Photo | Description |
|----------|---|---|
| 1 |  | <ol style="list-style-type: none">1. Connect power cord with recharged cradle and plug to the outlet. The recharge process can be started after MPOS-5008B-LX800 is well plugged on the cradle. |

3.3 Software Installation

3.3.1 OS Installation

3.3.1.1 Preparation

| Item No. | Photo | Description |
|----------|--|--|
| 1 |  | <ol style="list-style-type: none">1. Please prepare 1 set of external USB CDROM.2. Connect CDROM to the USB port of right side of system.3. Turn on the system and enter to CMOS Set Up.4. Check and change "the Boot Device" to USB CDROM.5. Enter to boot on procedure.6. Install OS and Driver step by step. |

3.3.1.2 Embedded WEPOS

If you bought the system including WEPOS operation system, please follow Instructions listed below.

- Connect CDROM to the USB port of system.
- Turn on the system and enter completely into WEPOS.
- Up load your application software into WEPOS platform.
- Complete installation and execute the AP.

Note: We suggest that you buy and use manufacturer recommend CD-ROM with USB interface while you are placed first sample unit.

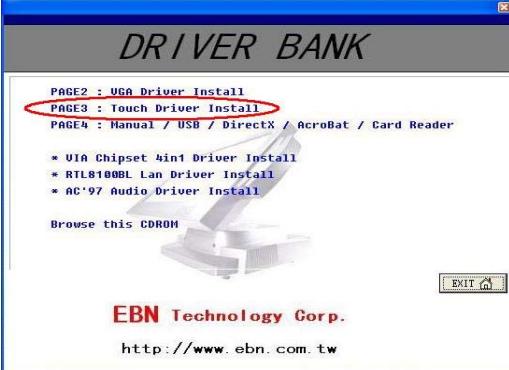
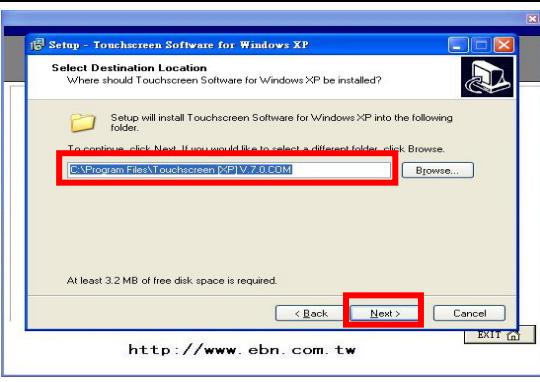
3.3.1.3 Win XP

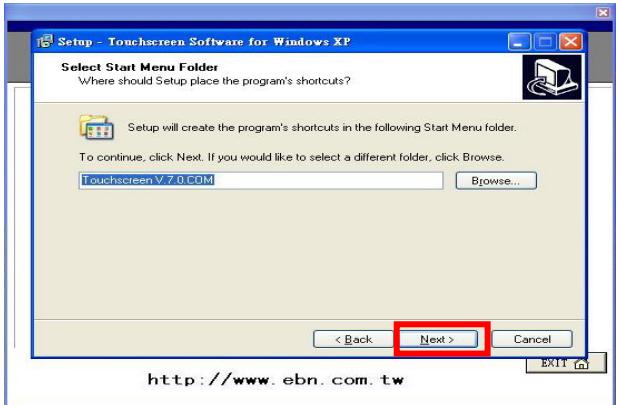
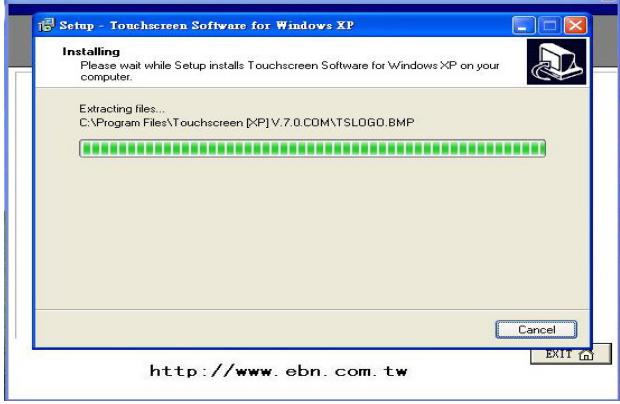
If you would like to install the Win XP, we suggest the system's configuration include 256MB RAM and HDD.

| Item No. | Photo | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|--|------------|--------------------|-----------|-----------------------|------------|-------------------|-------------|--------------------|---------|-------------------|---------|-------------------|-----------|------------------------|------|-----------------|--------|------------------------|------------|----------------------------|---|------------------------|-----|-----------------|---------|---------------------------|-----------|----------------------|------------|--|
| 1 | <p>Phoenix – Award BIOS CMOS Setup Utility</p> <p>➤ Standard CMOS Features</p> <p>➤ Advanced BIOS Features</p> <p>➤ Advanced Chipset Features</p> <p>➤ Integrated Peripherals</p> <p>➤ Power Management Setup</p> <p>➤ PnP / PCI Configuration</p> <p>➤ PC Health Status</p> <p>ESC: Quit</p> <p>F10: Save & Exit Setup</p> | <ol style="list-style-type: none"> 1. Connect CDROM to the USB port of system. 2. Turn on the system and press “ Del” key enter to CMOS setup. 3. Select icon “Advanced BIOS Features”. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <table border="1"> <tr> <td>Virus Warning</td> <td>[Disabled]</td> </tr> <tr> <td>CPU Internal Cache</td> <td>[Enabled]</td> </tr> <tr> <td>Boot From Lan Control</td> <td>[Disabled]</td> </tr> <tr> <td>First Boot Device</td> <td>[USB-CDROM]</td> </tr> <tr> <td>Second Boot Device</td> <td>[HDD-0]</td> </tr> <tr> <td>Third Boot Device</td> <td>[CDROM]</td> </tr> <tr> <td>Boot Other Device</td> <td>[Enabled]</td> </tr> <tr> <td>Boot UP NumLock Status</td> <td>[On]</td> </tr> <tr> <td>Gate A20 Option</td> <td>[Fast]</td> </tr> <tr> <td>TypeMatic Rate Setting</td> <td>[Disabled]</td> </tr> <tr> <td>TypeMatic Rate (Chars/Sec)</td> <td>6</td> </tr> <tr> <td>TypeMatic Delay (Msec)</td> <td>250</td> </tr> <tr> <td>Security Option</td> <td>[Setup]</td> </tr> <tr> <td>OS Select For DRAM > 64MB</td> <td>[Non-OS2]</td> </tr> <tr> <td>Small Logo(EPA) Show</td> <td>[Disabled]</td> </tr> </table> | Virus Warning | [Disabled] | CPU Internal Cache | [Enabled] | Boot From Lan Control | [Disabled] | First Boot Device | [USB-CDROM] | Second Boot Device | [HDD-0] | Third Boot Device | [CDROM] | Boot Other Device | [Enabled] | Boot UP NumLock Status | [On] | Gate A20 Option | [Fast] | TypeMatic Rate Setting | [Disabled] | TypeMatic Rate (Chars/Sec) | 6 | TypeMatic Delay (Msec) | 250 | Security Option | [Setup] | OS Select For DRAM > 64MB | [Non-OS2] | Small Logo(EPA) Show | [Disabled] | <p>Phoenix – Award BIOS CMOS Setup Utility</p> <p>Advanced BIOS Features</p> <ol style="list-style-type: none"> 1. Select “First Boot Device” to USB - CDROM”. 2. Press “F10” to save setup change and quit. 3. Install the Win XP, follow up the OS installation guide |
| Virus Warning | [Disabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CPU Internal Cache | [Enabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boot From Lan Control | [Disabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Boot Device | [USB-CDROM] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Second Boot Device | [HDD-0] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Third Boot Device | [CDROM] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boot Other Device | [Enabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boot UP NumLock Status | [On] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gate A20 Option | [Fast] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TypeMatic Rate Setting | [Disabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TypeMatic Rate (Chars/Sec) | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TypeMatic Delay (Msec) | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Security Option | [Setup] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OS Select For DRAM > 64MB | [Non-OS2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Small Logo(EPA) Show | [Disabled] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

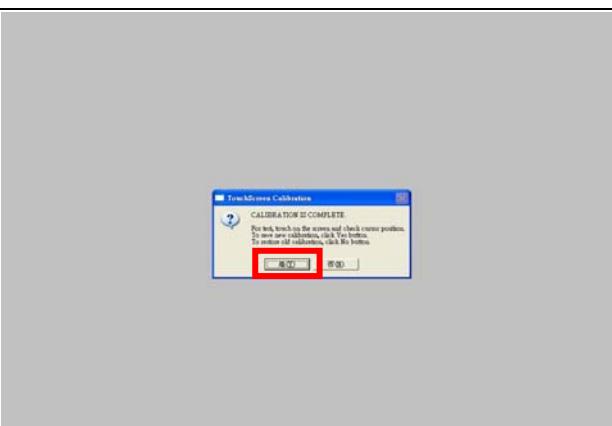
3.3.2 Touch Driver Installation

Refer to list procedure of touch driver as followings, which is based on Win XP as example.

| ◆ Driver Installation | | |
|-----------------------|---|---|
| Item No. | Photo | Description |
| 1 |  | 1. Choose "PAGE3: Touch Driver Install" |
| 2 |  | 1. Choose: "Touch Panel Driver Install For WINXP" |
| 3 |  | 1. Click "Next" |
| 4 |  | 1. Choose the software install location in your computer 2. Click Next |

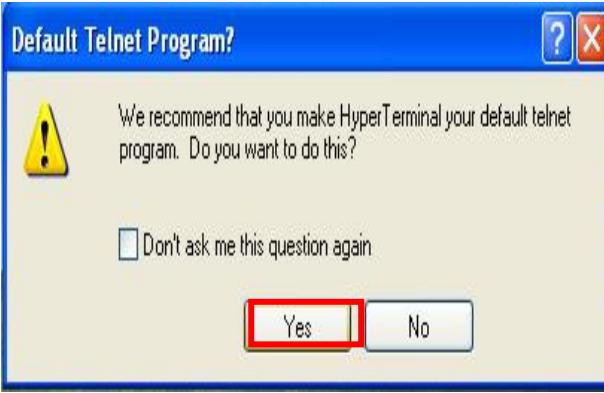
| Item No. | Photo | Description |
|----------|---|---|
| 5 |  <p>The screenshot shows the 'Select Start Menu Folder' step of the software setup. It asks where to place program shortcuts. A dropdown menu shows 'Touchscreen V.7.0.COM'. The 'Next >' button is highlighted with a red box.</p> | <p>1. Click "Next"</p> |
| 6 |  <p>The screenshot shows the 'Ready to Install' step. It displays the setup path 'C:\Program Files\Touchscreen [XP] V.7.0.COM' and the start menu folder 'Touchscreen V.7.0.COM'. The 'Install' button is highlighted with a red box.</p> | <p>1. Click "Install"</p> |
| 7 |  <p>The screenshot shows the 'Installing' step. It displays the message 'Please wait while Setup installs Touchscreen Software for Windows XP on your computer.' and 'Extracting files... C:\Program Files\Touchscreen [XP] V.7.0.COM\TSLOGO.BMP'. A green progress bar is visible at the bottom.</p> | <p>1. Wait for the installation process</p> |
| 8 |  <p>The screenshot shows the 'DRIVER BANK' software. It displays a message box saying 'Setup has finished installing TouchScreen drivers and utilities on your computer. The Windows must be restarted.' with a '确定' (OK) button highlighted with a red box. Below the message box, there's text about the 'Touch Panel Driver Install For WIN95' and a link to 'EBN Technology Corp.'</p> | <p>1. Click "Yes"</p> |

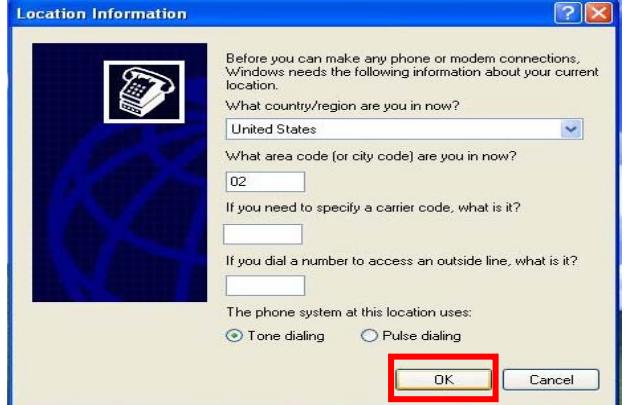
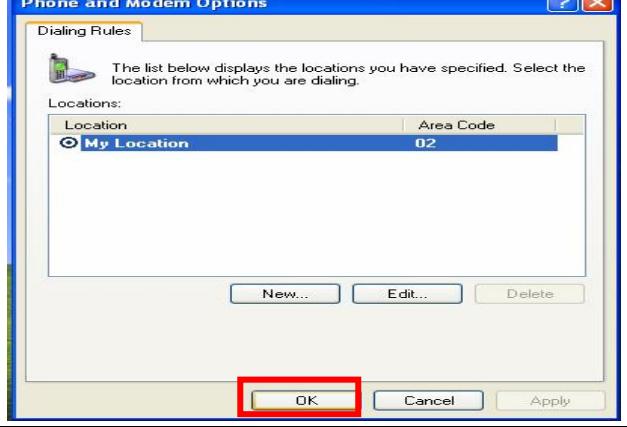
◆ Touch screen calibration

| Item No. | Photo | Description |
|----------|---|--|
| 1 |  | <p>1. After you restart the computer, go to Program → Touchscreen V7.0.COM → “Touch Control Panel V.7.0 COM”</p> |
| 2 |  | <p>1. Click “Calibration”</p> |
| 3 |  | <p>1. Follow the cross mark shown on the screen to calibrate</p> |
| 4 |  | <p>1. After the calibration process is completed, click “Yes”</p> |

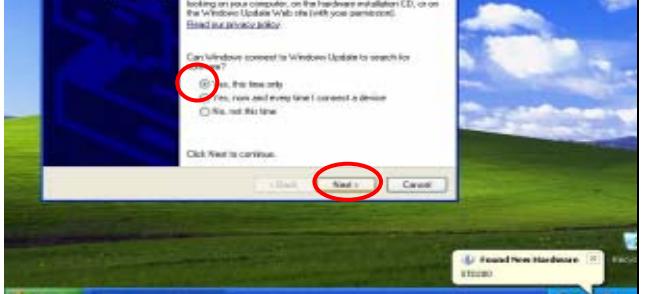
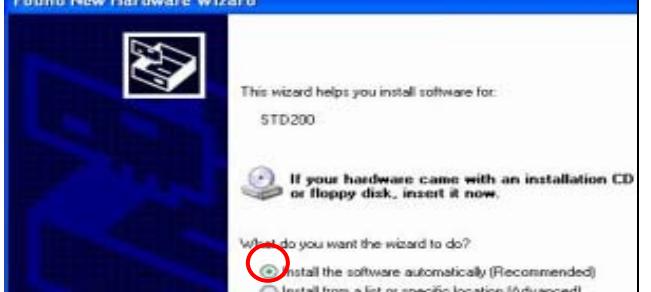
| Item No. | Photo | Description |
|----------|--|---|
| 5 |  | <p>1. Click "Feedback Sound"</p> |
| 6 |  | <p>1. Choose "Touch Down Only" 2. Suggested Tone for "1000" 3. Suggested Duration for "50" 4. Click "OK"</p> |

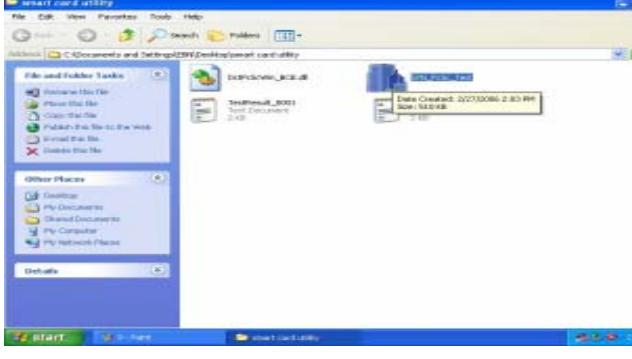
3.3.3 MSR Verification

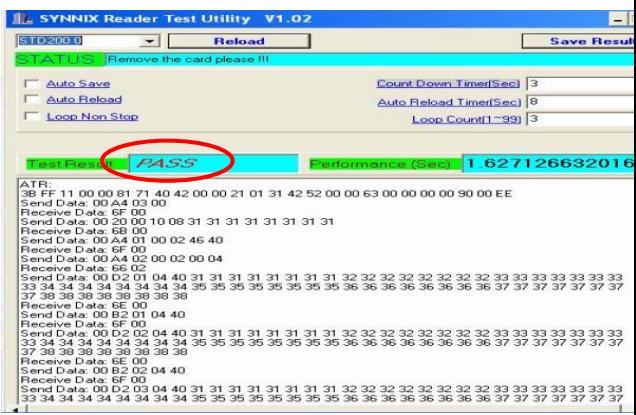
| Item No. | Photo | Description |
|----------|---|---|
| 1 |  | <p>1. Enter to "All Programs" → "Communication" → "Hyper Terminal"</p> |
| 2 |  | <p>1. Click "Yes" to continue</p> |

| Item No. | Photo | Description |
|----------|---|---|
| 3 |  | 1. Set "area code" and click OK |
| 4 |  | 1. Click OK |
| 5 |  | 1. Enter a name and Click OK |
| 6 |  | 1. Select on using COM2 port for MSR (Select COM3 if scanner installed) 2. Click "OK" |

3.3.4 Smart Card Driver Installation

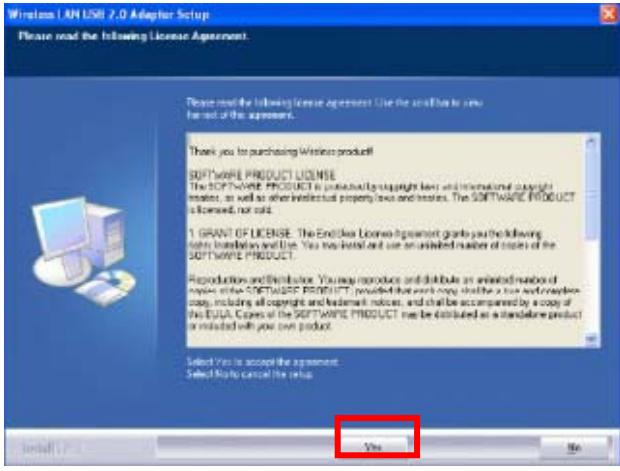
| Item No. | Photo | Description |
|----------|---|--|
| 1 |  | <p>1. Select “Yes, this time only” and click “Next”</p> |
| 2 |  | <p>1. Choose “Install the software automatically [Recommended]” and click “Next”</p> |

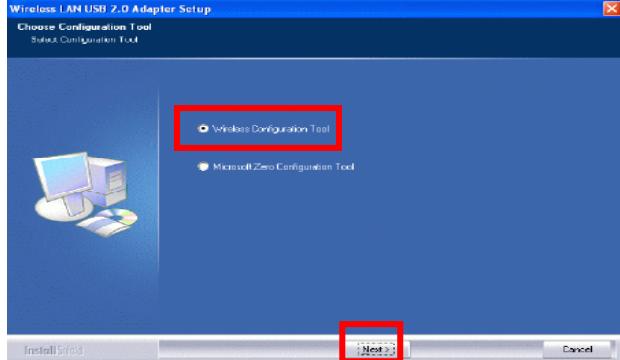
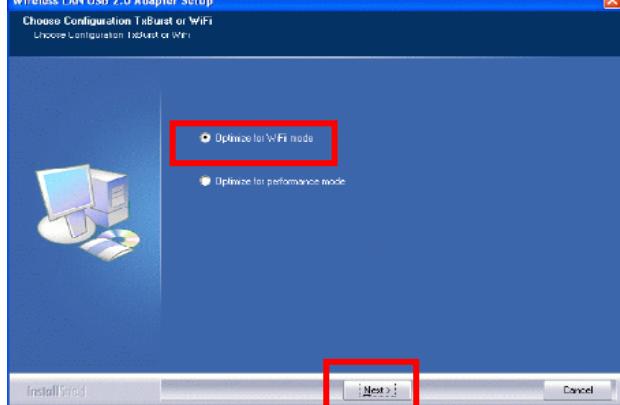
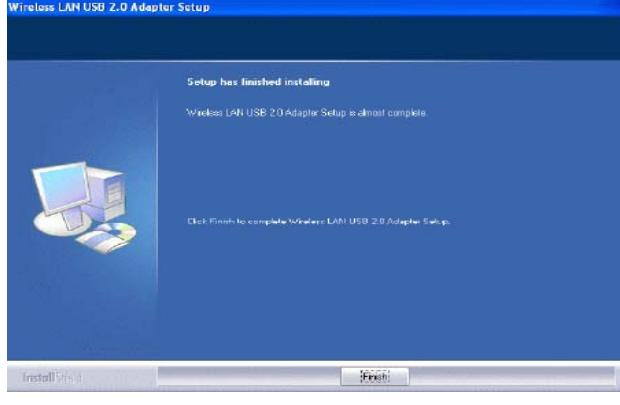
| Item No. | Photo | Description |
|----------|---|---|
| 3 |  | 1. Click "Finish" for complete installation |
| 4 |  | 1. Enter to Smart Card Utility → Select "SYN_PcSc_Test" |
| 5 |  | 1. Select STD 200 0 |
| 6 |  | 1. Insert IC Card to slot |

| Item No. | Photo | Description |
|----------|---|---------------------------------|
| 7 |  | 1. Show "PASS" complete test OK |

3.3.5 WLAN IEEE 802.11g Driver Installation

- ◆ Please base on the driver CD provided to proceed the download process
- ◆ Insert the provided driver and utility CD into your CD drive
- ◆ The auto-run program should start automatically.

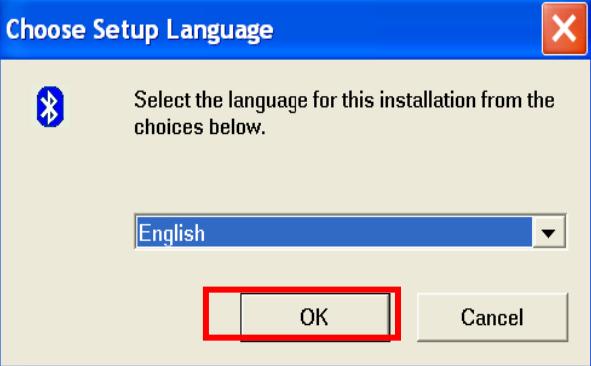
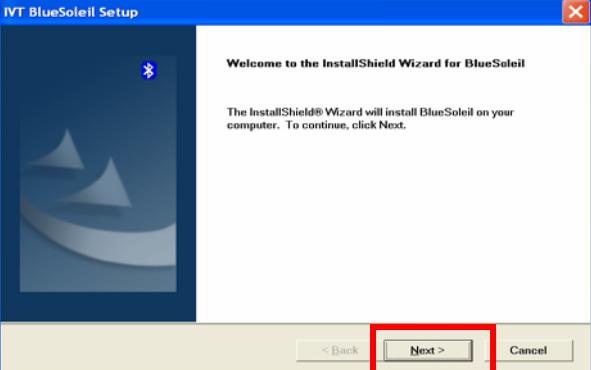
| ◆ Install the Utility | | |
|-----------------------|---|---|
| Item No. | Photo | Description |
| 1 |  | 1. Choose "Driver & Utility Installation" |
| 2 |  | 1. Click "Yes" |

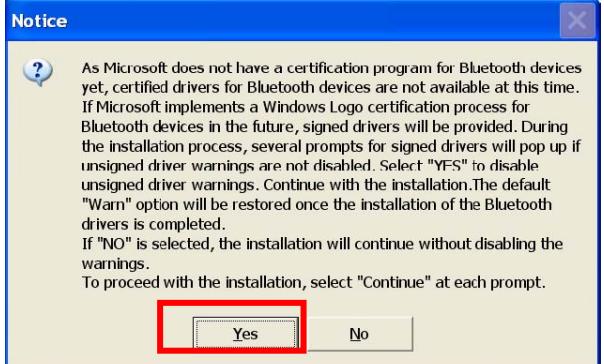
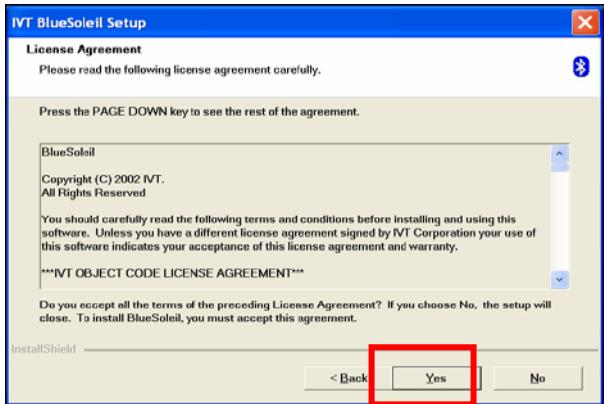
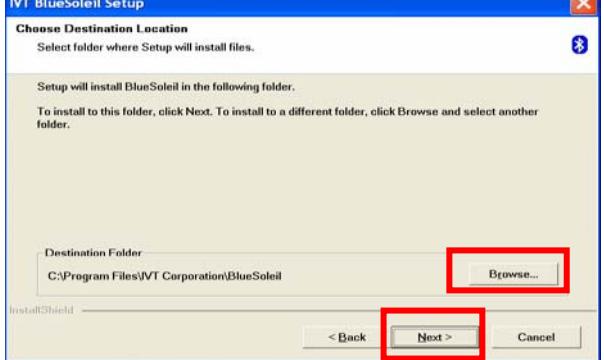
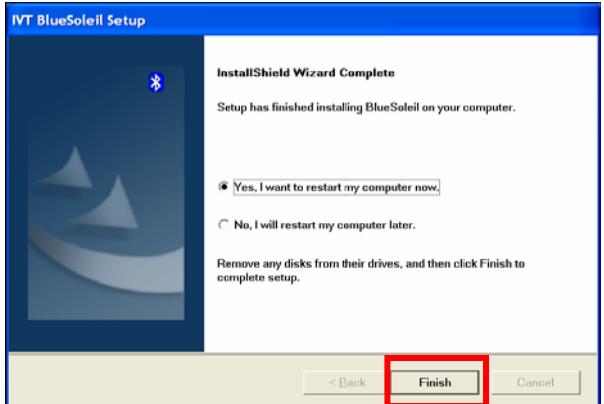
| Item No. | Photo | Description |
|--|---|--|
| 3 |  | <ol style="list-style-type: none"> 1. Choose Configuration Tool from 2 choices -Default choose “Wireless Configuration Tool” 2. Click “Next” |
| 4 |  | <ol style="list-style-type: none"> 1. Choose “WIFI Mode” 2. Click “Next” |
| 5 |  | <ol style="list-style-type: none"> 1. Click “Finish” to complete the installation process |
| <p>◆ Install the hardware After the Driver is installed, locate USB host and insert USB Adapter. Windows will detect the new hardware automatically</p> | | |
| <p>◆ Verify Go to Start→ Settings→ Control Panel→ System→ Hardware→ Device Manager Open Network Adapters category</p> | | |

| Item No. | Photo | Description |
|----------|---|--|
| 1 |  | <ol style="list-style-type: none"> “802.11b/g Mini Wireless LAN USB 2.0 Adapter” will be listed if the device is installed properly For Internet Connection and configuration Utility, please follow the user manual in the IEEE CD provided |

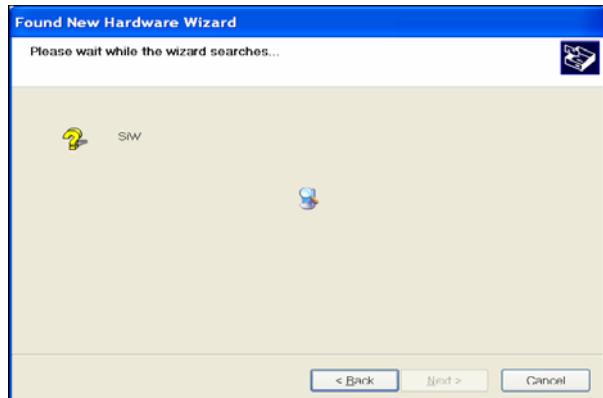
3.3.6 Bluetooth Driver Installation

- ◆ Insert CD-ROM into your CD-ROM drive. The “InstallShield Wizard” should automatically start running. If it doesn’t load, run its “Setup.exe” file.

| ◆ Software Installation | | |
|-------------------------|---|--|
| Item No. | Photo | Description |
| 1 |  | <ol style="list-style-type: none"> A window appears for you to choose your preferred language for this installation. Click “OK” to continue |
| 2 |  | <ol style="list-style-type: none"> The “IVT BlueSoleil Setup” window should appear. Click “Next” |

| Item No. | Photo | Description |
|----------|---|---|
| 3 |  <p>As Microsoft does not have a certification program for Bluetooth devices yet, certified drivers for Bluetooth devices are not available at this time. If Microsoft implements a Windows Logo certification process for Bluetooth devices in the future, signed drivers will be provided. During the installation process, several prompts for signed drivers will pop up if unsigned driver warnings are not disabled. Select "YES" to disable unsigned driver warnings. Continue with the installation. The default "Warn" option will be restored once the installation of the Bluetooth drivers is completed. If "NO" is selected, the installation will continue without disabling the warnings. To proceed with the installation, select "Continue" at each prompt.</p> <p style="text-align: center;"><input type="button" value="Yes"/> <input type="button" value="No"/></p> | 1. Click "Yes" |
| 4 |  <p>IVT BlueSoleil Setup License Agreement Please read the following license agreement carefully. Press the PAGE DOWN key to see the rest of the agreement. BlueSoleil Copyright (C) 2002 IVT. All Rights Reserved You should carefully read the following terms and conditions before installing and using this software. Unless you have a different license agreement signed by IVT Corporation your use of this software indicates your acceptance of this license agreement and warranty. ***IVT OBJECT CODE LICENSE AGREEMENT*** Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install BlueSoleil, you must accept this agreement. InstallShield < Back <input type="button" value="Yes"/> <input type="button" value="No"/></p> | 1. Click "Yes" to accept License Agreement |
| 5 |  <p>IVT BlueSoleil Setup Choose Destination Location Select folder where Setup will install files. Setup will install BlueSoleil in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder. Destination Folder C:\Program Files\IVT Corporation\BlueSoleil <input type="button" value="Browse..."/> InstallShield < Back <input type="button" value="Next >"/> <input type="button" value="Cancel"/></p> | 1. Click "Next" to install the driver to the default folder. Click "Browse" and select another folder if you wish to relocate your driver |
| 6 |  <p>IVT BlueSoleil Setup InstallShield Wizard Complete Setup has finished installing BlueSoleil on your computer. <input checked="" type="radio"/> Yes, I want to restart my computer now. <input type="radio"/> No, I will restart my computer later. Remove any disks from their drives, and then click Finish to complete setup. InstallShield < Back <input type="button" value="Finish"/> <input type="button" value="Cancel"/></p> | 1. Click "Yes" and click "Finish" to restart your computer |

◆ Hardware Installation

| Item No. | Photo | Description |
|----------|---|---|
| 1 |  | <ol style="list-style-type: none"> Insert the USB adapter into an available USB port after installing the driver and restarting your computer. You will see a system notice of "new USB devices found". Click "Next" to register. To boot from a different location, mark "install from a list or specific location" and click "Next" to continue |
| 2 |  | <ol style="list-style-type: none"> Wait while the wizard searches for your USB adapter |
| 3 |  | <ol style="list-style-type: none"> Click "Finish" while the search is completed |